

Emerging Technology

Lost Foam Casting Quantifier Program

Several process variables specifically related to pattern quality can result in scrap rates and defects that could be significantly reduced through the proper quantifying and subsequent control of the pattern in lost foam casting. The detailed structure of foam and coating are determined using x-ray imaging methods. Intra-bead fusion is measured by polymer chain entanglement characterization. Foam and coating permeability are measured using gas flow measurement methods.



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